**Course: Math 8 CCSS Standard Number(s): Math 8.EE.4 Day: 23**

**Unit # and Title: Unit One – Expressions and the Number System Block(s)/Period(s): 1 2 3 4 5 6**

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| **Unit Essential Question(s):** | **When would you use the properties of integer exponents?** | | |
| **Learning Target(s)**  **“I can statements”** | **I can add, subtract, multiply and divide two numbers written in scientific notation.** | | |
| **Essential Vocabulary** | **exponent**  **integer**  **laws of exponents**  **negative**  **positive**  **expression**  **power of ten**  **standard form**  **decimal** | | |
| **Resources and Materials** | **Teacher** | | **Student** |
| **Power point**  **“Card sort”** | | **Tool kit** |
| **8 Mathematical Practices:** | | | |
| 1. Make sense of problems and persevere in solving them.  2. Reason abstractly and quantitatively.  3. Construct viable arguments and critique the reasoning of others.  4. Model with mathematics. | | 5. Use appropriate tools strategically.  6. Attend to precision.  7. Look for and make use of structure.  8. Look for and express regularity in repeated reasoning. | |
| **Activating Strategy**  **(Opening Activity)** | **Students will complete WARM UP questions displayed in power point, on the screen. (review questions relating to previous lessons)** | | |
| **Cognitive Teaching Strategies**  **Me/We/Few/You**  **(TIP-Teacher input**  **SAP-Student actively participates**  **GP – Guided Practice**  **IP-Independent Practice)** | **Students will complete a “Scavenger Hunt”, covering 8.EE3 and 8.EE.4, including going from scientific to standard, from standard to scientific, interpreting the calculator, and all operations.**  [Unit Review - English](http://downloads.hmlt.hmco.com/EdSchool/LMS4Resources/Print/MSC5/DMMSC5-3.2.UnitReview.PDF)  [Unit Assessment - English](http://downloads.hmlt.hmco.com/EdSchool/LMS4Resources/Print/MSC5/DMMSC5-3.2.UnitAssessment.PDF)  **Students that complete the scavenger hunt will complete a review worksheet.**  **Students will begin the Task 3 activity.**  **Task 3** Analyze the data you collected from the two of the largest aquariums in the world. **Needed:** **Task 3 handout** | | |
| **Summarizing Strategy**  **(Closing Activity)** | **“Three, Two, One” activity**  **Three things you don’t understand**  **Two things you are not completely comfortable with.**  **One thing you really understand** | | |
| **Assessment/Homework** | **Organize your guided notes, and prepare for a notebook check.** | | |
| **Extending/Refining** |  | | |